

VOL 2

MAY  
1949

Dick Grogan

789

No 5.

3281

53-54

VE3 OXT

**DAN-DIT-DAN**  
SCARBORO AMATEUR RADIO CLUB

OH, THAT'S THE FIELD DAY  
BOYS OF THE SARG.



THE GANG FOR. 1949.  
— Dah - Dit - Dah

PRESIDENT.....Al Wilson  
VICE PRESIDENT.....Art Wilkins  
SECRETARY.....H.Langstaffe  
ASS. SECR.....D. Eason  
TREASURER.....K. Tripp  
ENGINEERS.....B.McCracken  
E.Qua  
QSL MGR.....C.Harvey

EDITOR AND ADVT. MGR.

H.W. Kenmare

THE BIGGEST LITTLE MAGAZINE IN  
AMATEUR RADIO.

Meetings: 2nd and last Tues. each month.

# THE EDITORS. QSO



Hello Boys and Gals:

It is very gratifying to see the news rolling in to the Editor's Headquarters of late, So much to talk about, so many interesting lectures and demonstrations and now the completing of the Plans for our Field Day.

Although there is a lot of work curtailed in the editing of our Dah-Dit-Dah, it has been made so easy of late, it is a pleasure to sit and write the things you boys and gals send in. So keep it coming gang!

I would also appreciate it if the other Clubs would make sure that we get their Club News not later than the end of each and every month.

Thanking you in advance,

Your Editor,

H.W.Kenmare,

VE3JO.

# THE SWL BY S. PRIOR.

Good Spring time my friendlys, and speaking of Spring, how true the saying, "In the Spring, a Young Ham's Fancy Gently Turns to Thoughts of Field Day", and that is just what I am going to write about, as even if I am only a lowly S.O.L., the one week end I look forward to in the 52, is Field Day Week-end!

I have been to Scout Camps, Army Camps, picnics, boat trips and what have you, but only the chap who has been on a Field Day and taken the bad with the good in work and weather, dead bands, good bands, etc., etc., can honestly say "we had a swell time."

Field Day fellows is sooner than you think and to ensure our Club of a successful day, we must get cracking, and when I say we, I mean you, you, you and me.

Oh yes, I know, Joe is looking after 2, Schmoe is looking after 10 and Jacke 20, and so on, but they can't do it themselves, no siree and I know from past Field Days with other Clubs. It has to be a combined, co-operative, engraetic and hard working group and I mean each and every member of the Scarboro Amateur Radio Club.

When our co-ordinator asks who will help out with this or that, unless you really mean it don't volunteer, and if you do volunteer, live up to your word, so on Field Day everybody will have his work cut out and ready for zero hour.

As I said in the start of this articke, I am only a lowly S.W.L., but if we all take the Club oath:

A - KEE - LA

Translated - "We will do our Best"

1949 S.A.R.C. Field Day will be a success!

73's

Sid.

WITH THE EDITOR'S PERMISSION

H1 Gang:

The first regular meeting after May 10th, (It should be May 24th, but will have to be changed because of the holiday) will be swap night. Sid Prior will be our genial auctioneer, so it should be good.

I hope very much that as many of the fellows as possible will get together early in June to go to the field site to put up antennas, tables, etc. for Field Day. It is very important that we do this, fellows, or the Field Day will NOT be a success.

The girls who have joined, and are joining, the club as full members, and going to the Theory and Code Classes are doing very well and catching on fast. I am very pleased to see them so enthusiastic and wish them all the best of luck in getting their tickets.

The Club licence has been renewed, and I hope we can soon get on the air.

It is also hoped to get information very shortly on our affiliation with the A.F.A.R.S.

No definite date has been set as yet for the cessation of meetings during the summer months. But the meeting after Field Day will most likely be the last until the Fall. This will, however, be ironed out at a forthcoming executive meeting.

In closing I would like to extend a formal welcome to the Hamilton R.C. and the Northern R.C. to make us a formal visit which will be fully reciprocated whenever it can be arranged.

73 Fellows,

Al Wilson,

VE3AMB.

# CLUB NEWS



VE3AJV, Al Clark, has just finished a new power supply for his new Transmitter and reports that since receiving his license he has made over 75 contacts and has some very nice QSL cards to show for it. Sure like ur rig Al and hope you have many hours of pleasure from it.

. . . . .

It was reported that some of our 10 meter Club members have been bit with the 2 meter bug and were quite surprised to find so many using this frequency. That's for sure. What say Wilf, VE3AJQ and Al, VE3AMB!

. . . . .

We hear on 160 Meters that the Boys are really going to town. It's a swell band gang but isn't it nice to know we're not compelled to operate on it???

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Who are the charming young XYL's who are copying 10 WPM solid??? Don't believe us eh? Well just come down to code practice and see What say Eva and Mrs. Kent!

. . . . .

In this issue of Dah-Dit-Dah, is a re-write on the overtones 144 mc oscillator, to go with the Final Amplifier (also in this issue) This will keep it straight. It was built and is now in use by VE3AZC, Frank Stewardson. Next issue will be the Antenna Array used with this rig.

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Thanks, Stephanie, of Oakfield, N.Y. for the nice comments on our club paper and the picture of you and John. Might say W2UZL puts

a potent signal into Toronto. Tnx Stephanie and John!

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Thanks also to Lillian of Oswego. Your letter was also very interesting and wish every success in your participation of the mysteries of Ham Radio!

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Things we'd like to know---why does Xtal not publish our Club Activity when they receive it monthly. Co-operation was never achieved by back logging club news!!

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Vh3AMB, is losing his hair of late and to thing we keep telling him that pulling out his hair won't remove that 150 ft Water tower now being erected withing 200 yds of his beam.

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George and Al are responsible for the Theory class, and according to the class members, are very well pleased with their instructors.

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Our Chairwomen, Mrs. Mary Langstaff, announced last meeting that the Woman's Auxiliary will supply all meals to the Boys participating in Field Day Activities and a small fee of 25¢ per member was voted and passed, to help defray expenses for this occasion. Just imaging, a full course meal for 25¢!!!!!! where! Just Imagine.

. . . . .

The Club Transmitter has been temporarily held up, due to special parts required to make the changes necessary to complete it, but we know it's well workh waiting for.

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12 Candidates are attending Code and Theory classes 3 nights weekly now. Reports are very gratifying, considering the new class opened April 7/49. Gud Going Lads and Lassys.

. . . . .

As increased requests are steadily coming in to the Editor for copies of DAH-DIT-DAH, both from Clubs and individuals, I would like at this time to request that all Clubs, mail in their club activities not later than the end of every month so that we can publish same in the following month's issue. Tnx.

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W2RXM has moved his QTH to the north side of Tonawanda. He reports that the first piece of household equipment to be moved in and set up at the new QTH, was his ham gear! HI!! Plain to see Charlie belongs to the old Ham School!

. . . . .

Want a Sunday Rag Chew?? Tune to 3895 and meet the boys. What say W2ECM, W2OY, W3VV, W2UZL, W2RXM, W2OBL, W2BHQ, W2SJV, W2FED???? Sunday Transmissions are 5 - 9 plus for all you boys!!

. . . . .

VE3BR0, Dennis Eason, one of our latest recruits, had his new xtal, presented to him by the club, in his new rig and reports plenty of activity on the bands since he received his license. Nice going Denis, ur rig sounds very gud too!!!

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VE3B0J, Al Butsen is still building his new rig and also finding a place to put his new xtal, but reports he will be on within the next week or two.

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A dashing young salesman of Leeds,  
Rashly swallowed six packets of seeds,  
In a month, silly ass, He was covered with  
grass,  
And he couldn't sit down for the weeds!

Hart Langstaffe, VE3FO, was Mr. Setos assistant during the Microphone Tests and assisted by Sid Prior who very kindly brought down a lovely array of Amplifiers for the occasion. May we take this opportunity to tnx both Sid and Hart for your swell co-operation!

Her parents had christened her Mary,  
But the "R" she thought was a flaw.  
So she changed it to May, then she  
married one day,  
And now it's been shortened to "MA"

14 New Members were passed and accepted by the Club last meeting night. To you boys, our heartiest congratulations on becoming members of our Club. Make yourselves at home, as you now are one of the gang!

I walked into a Barber shop,  
The sign was very queer.  
"During Alterations, we will  
Shave you in the rear!!"

The Barber took a red hot towel,  
In process of his learning,  
He dropped it quickly on my puss,  
To keep his hands from burning.

We notice Emerson Brooks, VE3SC, paid the club a visit last meeting. Emm, as we all know him, is one of the old timers. Glad to see you Emm. Hope to see you often!



Nice going boys and congrats on your new Paper  
Very well done!

### NORTOWN RADIO CLUB

VE3RU, Bert Bickerton is still doing a bang-up job as President of the Nortown Club, and now we see why Dick Roberts had such a big chest the last time we met! Hope Son and Mother are both fine Dick. Al Clark, VE3AJV, wishes to thank you boys for the kind assistance you rendered him at your code classes. Through your efforts boys, Al has now got his call. Swell Gang, hope we can be of some assistance sometime. Also please forward copy of your Club news to Editor, 80 Kalmar Ave., also your address for mailing purposes.

### ROCHESTER BOYS

The VHF group of RARA held a very fine meeting at Joe Paynes, W2UXP recently at which time Hank Blogett, W2UTH was elected Permanent Chairman and John Remsen, W2ZHB, Sect. Treasurer. During this meeting a High Frequency sweepstake was organized to start Apr. 23d at 1201 AM, finishing May 1, 1159PM, on all bands 50 MC and up. This is, to the Editor, a step towards the right direction to further the possibility of DX on the VHF.

As the Scarborough Boys are ardent Amateurs on 6 and 2 Meters. The whole gang here in Toronto were listening and report that next months issue will give a complete detail of this event.

.....  
All Canadian Amateurs are cordially invited to attend the Rochester Radio Assn. Annual Ham Fest on May 14/49 at the Powers Hotel, Rochester. Admission, in advance-\$3.50, at the door-\$3.75  
What say boys!!!

.....  
To the Rochester Poet---Why anonymous efforts such as these are always worth mention:

In this world you'll find that effort,  
If persistent leads to fame.  
But never if you write a poem,  
And then forget to sign your name!

VE3JO

ON Tues. May 10th, the Canadian General Electric will demonstrate one of the finest TV sets in Canada to the Club. This demonstration is to be so interesting, due to the speaker, going to let the club view a complete programme, that we have invited the Womans Auxillary to attend with their OM's.

The executive is going to supply all the eats for the night and we wish to see as many as can possibly attend to be there. Extra chairs have been supplied for the evening.

APPLICATION FOR MEALS AT THE  
FIELD DAY LOCATION

NAME.....CALL.....

ADDRESS.....

B..... OPR..... PHONE.....

D..... ASS.....

S.....

SEND APPLICATION TO: Mrs. Langstaffe,  
204 St. Johns Rd.  
Toronto, Ontario

mark with X opposite B-Breakfast, D-Dinner S-Supper, the meals you intend to have at the Field Day Location. Opposite OPR- What band, (CW or Phone) you will operate. If Assistant mark at Asst.

OFFICIAL BULLETIN NR 187 FROM ARRL HEADQUARTERS  
WEST HARTFORD CONN APRIL 25 1949 TO ALL RADIO  
AMATEURS BT All Skeds through May 6th

On April 21 FCC released extensive proposals for changes in amateur regulations. Highlights: Opening of 3800 to 3850 for phone with restrictions 3 kc signal bandwidth also signal bandwidth present 75 and 20 meter phone bands restricted to 6 kc, no expansion other phone bands. Carrier shift telegraph 29 to 29.7 Mc. Signal bandwidth 6 kc for phone between 29.65 and 29.7 mc and 10 kc in remaining phone band. An entirely new system of license classes is proposed. Class A licenses would not be reissued after 1950. Amateurs wishing operate phone 75 and 20 meters would then have to take new exam including 20 WPM code test. A technician class is proposed with 5 WPM code test and privileges only above 220 Mc. A novice class is proposed with 5 WPM code test and reduced technical requirements with privileges in small portions various bands and nonrenewable license good for one year. Details in June QST and mailed to affiliated Club secretaries. These are not new regulations but only FCC proposals. AR

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No doubt you have read the new proposals of the FCC in order to support the boys across the Border, your enlistment into the NARC would be greatly appreciated. Let's stand shoulder to shoulder with the boys to whom we say: Send your enrollment fee of \$2.00 or write for information to the President of NARC, W3BWH, J. Vancheri - 517 N. Main, PUNXSUTAWNEY, Pa. U.S.A.

## THE LADIES PAGE

Hello Girls:

We have a problem on our hands regarding Field Day. As you may know, it is proposed to cook meals for the men during that time which would entail supper Saturday night, and breakfast and lunch on Sunday. It was suggested that meal tickets for each meal needed were made up and sold to those requiring them, that we should have some idea how many to cater for, and I for one thought it was a very good idea, but at the last meeting this was out-voted in favour of everyone giving so much, and any of them would be able to eat when they wanted to. This may be quite a good idea in many ways, but it still doesn't give us any idea how many to cater for. We want to have enough food, and yet on the other hand, we don't want a lot left over as it would just be wasted. So I still think that meal tickets for those who want them would be a much better idea. I don't think the men realize how much work is entailed and how much organization is need for a proposition such as this. Also they don't know much about the cost of food or it would never have been suggested that 25¢ would be OK for three meals, I'm afraid it will be more like \$1.25 for three meals, which even at that isn't a lot. I took it on myself to figure out the cost of breakfast for 25 men and here are the results:

4 Lb. bacon @ 75¢	- \$3.00
3 doz. eggs @ 54¢	- 1.62
5 loaves @ 15¢	- .75
1 lb. margarine @ 40¢	- .40
$\frac{1}{2}$ lb. coffee @ 33¢	- .33
1 lb. sugar @ 9¢	- .09
Paper plates and cups	- .50

TOTAL \$ 6.69

Say 25¢ per man for a ticket, that gives us \$6.25. So you can see for yourselves that hardly covers it, and a good lunch and supper would cost at least 50¢ EACH. Of course if the

LADIES PAGE- cont.

Boys only want toast and tea for breakfast, a couple of sandwiches for lunch and hotdogs for supper, I guess 25¢ for three meals WOULD be enough, but we presume they want a good meal. You know how hungry you get out in the open!

I hope the men will read this, then perhaps they will see what we are up against and that we must know to a near margin how many to cater for. We want you to have decent meals, so how about co-operating and see things from a woman's point of view! Don't you think that under the circumstances, meal tickets would be a much better idea?? Also another thing to consider is, those who want to eat at camp can buy their tickets in advance. Those who will only be there a short while, and those who visit won't need to buy tickets as they won't need a meal. You can buy separate tickets so you only pay for the meals you expect to have.

Another thing girls, the boys want coffee and sandwiches on hand ALL the time. How can it be done for less than \$1.25 or \$1.20?? The idea of 25¢ only is ridiculous.

I had quite a few other things to write about, but this has taken up a lot of space so I will just touch briefly on them.

Quite a few of the XYL's are now full members of the Club and are going to the Theory and Code classes. Eva Colleck, Joyce Kent, Mary Langstaffe and Barb Clarkstone are all studying for their tickets. I think I'll have to show them I can do it too, and take it up myself!

Eva Colleck in particular is going to town on her code. She does 10 words a minute and she is picking up the theory fast. The Club is very pleased to see the XYL's take this interest and it would be quite an honour for them to have one or more girls with their tickets.

There will be a meeting of the Auxillary by the end of May to discuss and arrange for the catering of the Field Day. You will all be informed in due course and I hope that we shall have a good show of volunteers to help. Let's hope it is a nice weekend too!!

Babs Wilson  
Your XYL Reporter.



# GRIFE FRUIT.

For the Past month a proposal has been on the agenda for any USA Amateur who wishes to hold a Class A Ticket, must pass a code test of not less than 20 WPM and reexamining all Amateurs now on the Class A Bands. This has been quite a blow to the phone men, as this is some of the QSO:--

What seems to be the Trouble  
With the boys across the way?  
For everytime I listen in  
I always hear them say,  
"It's a dirty deal I call it,  
Yes I think it is the limit.  
What are they trying to do to us  
At twenty words a minute!"  
"But as for me" you'll hear one say,  
"I'm sure to pass the test!"  
But thats not it, the boys reply,  
Just what about the rest??  
Well we don't blame you boys a bit,  
No wonder you are mad!  
For proposals such as this aren't  
made  
To make the phone man glad.  
But we feel sure, like many more,  
With a leader such as Doc,  
That the NARC Protest,  
Will carry quite a sock!  
So good luck to all you neighbours,  
Please always bear in mind,  
You can count en VE Amateurs,  
To stand beside you all the time!

VE3JO

# ULTRA-HIGHS

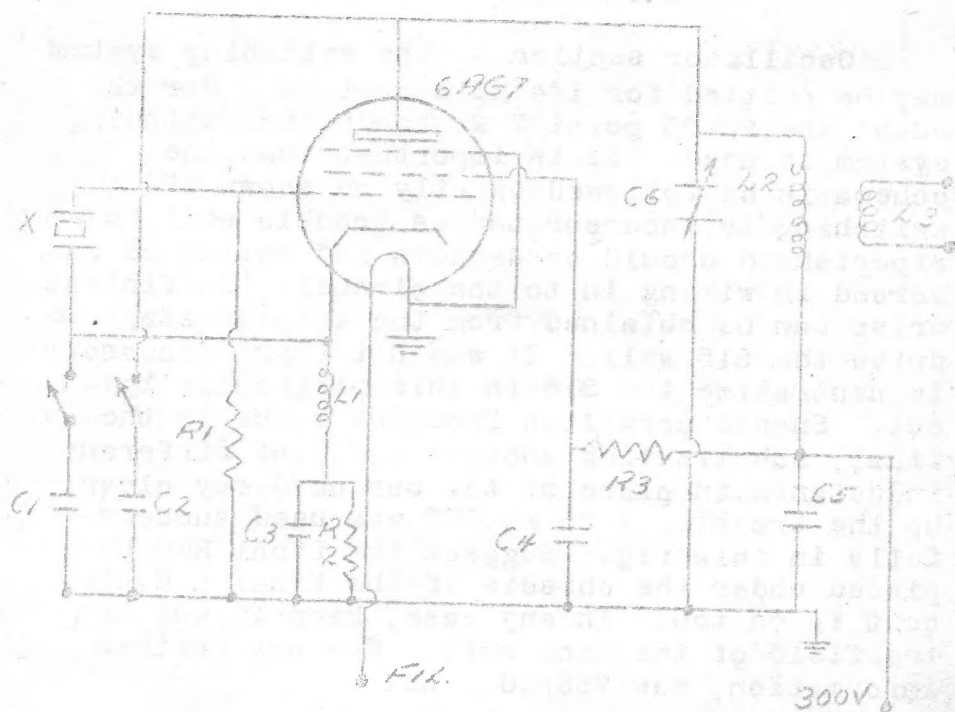
Hi Gang:

BY FRANK STEWARDSON

Another month and the activity on the H.F. is increasing and everyone looking forward to inversions--sporadic E and what have you--Hi? The 50-54 mc band came in for several hours 3 weeks ago and a hot time was had by the six mtr. gang. Active at the moment on six are VE3-ANY-LZ-AXT-YY-AET-APV-AZV-ARV-BFI-2nd Div.Sigs. The ten meter gang are getting very conscious of the HF and the following are now getting prepared for 144 mc- VE3AMB-BaV-AJF-WU. Welcome on 144 is waiting for you gang and the two meter boys are looking for you. They are a friendly bunch of Hams and the extra activity will repay them for holding on to the band since its release to us. A high spot of the month was provided by the Rochester Club who staged a 144 mc QSO party over the week ending April 24th. The information regarding this was relayed to us by VE3JC. Harold called and told us of this particular activity, receiving the Gen from the Rochester Gang via 75 phone. Thanks Harold, the boys appreciated it. A fuller report next month on the results. A contest sponsored by the New York Tech was also run on this week end. Last news on that business was VE3ANT and AIB running neck and neck. Yes Sir! Lots of fun on the HF. Activity has commenced on V.H.F. I understand that messors VE3AXM (Clifton Butler) VE3APV - (Harvey VE3ALT (Roy) are busy getting on 420 mc See you next month Gang--73's DX

GRANDPA

# BRILEY OSC- FOR OVERTONE ATALS



C1-50MMF

C2-40MMF

C3-4-5-.002 MICA

C6-30MMF VAR.

R1-33000  $\frac{1}{2}$ W

R2-220  $\frac{1}{4}$ W

R3-7500  $\frac{1}{2}$ W

X { 28MC-7MC

50MC-12MC

L1-9T #14 EN.CLOSE  $\frac{1}{2}$ " ID { 144MC-24MC

L2-9T #14 EN.SPAC.WOUND 1" DIAM  $\frac{1}{2}$ " ID

L3-2T #22-SPACE WOUND 1" DIAM  $\frac{1}{2}$ " ID

VAR. CAP. USED FOR 2850 KC. CPTA FOR 144MC

144 Mc XMTR - VE3AZC

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Oscillator section - The switching system may be omitted for 144 MC operation - For the 50-54 and 28-29 point 7 Mc bands the switching system is used. It is important that the schematic be followed exactly as shown if switching is incorporated as trouble will be experienced should condensers and switch be reversed in wiring in to the circuit. Sufficient drive can be obtained from the tripler stage to drive the 815 well. It was not found necessary to neutralize the 815 in this particular layout. Should parasitic feedback occur in the final, substituting another R.F.C. of different inductance in place of the one used may clear up the trouble. A 25 MH RFC was used successfully in this rig. Suggest the final RFC be placed under the chassis if the final L.C. circuit is on top. In any case, keep it out of the field of the tank coil. For any further information, see VE3AZC. Hi!

10 METERS -- by Chuck Harvey

Well Gang, for this month there is very little news, as you know if you have been listening. ---the band is rather flat these days..

However, the ZS's, ZD's and also Central and South Americans are still coming in. ZL's still put in an appearance at occasional times.

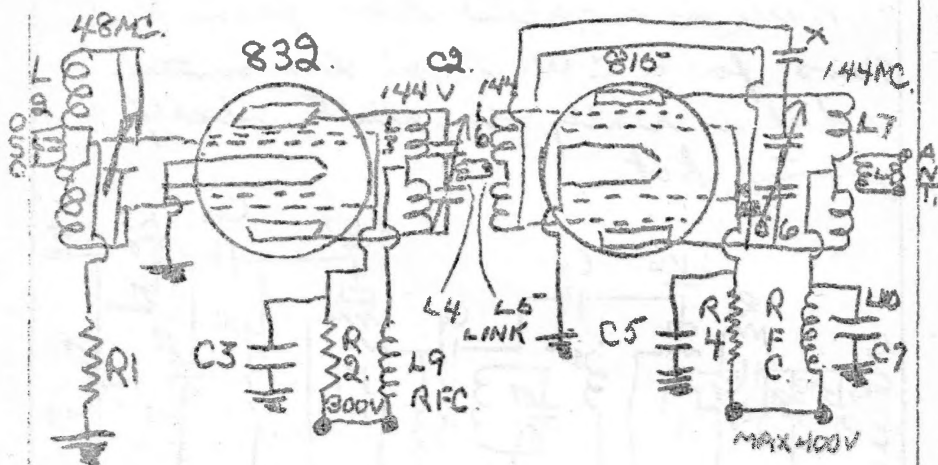
Short skip is putting in a fairly regular appearance now.

My humble apologies for the lack of news, for this month, more in next issue. Until then 73's and DX gang.

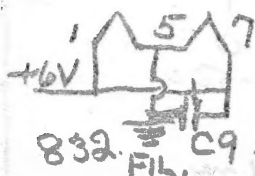
Chuck Harvey,

VE3ARC

# 144 MC. BUFFER. TRIPLER. FINAL AMP



NOTE. SHORT LEADS. SOLID GROUNDS TO EACH STAGE.



R1-22,000V/1W R2-25000V/10W R3-15000V/1WATT

L1-2 TURN LINK FROM OSC. #14 EN. CL-W-3/4-ID.

L2-5 " EA. SIDE OF CENTRE-1/2" SPACE OLW FOR LINK #14 EN.-3/4-ID-CT.

L3-2 " SIDE OF CENTRE SPACE FOR LINK #14 EN. CL-W-1/2-ID-CT.

L4-L5 2 TURN LINK #14 EN. CL-W 1/2-ID.

L6-2 TURNS SPACED 3/8 #14 EN. 1/8-ID.

L7-2 TURNS SPACED 1/8 1/8 COPPER TUBING CT 7/8 ID

L8-2 TURNS SAME AS L7 ONLY INSULATED.

C1-3-30 CERAMIC TRIMMER. C4-SAME AS C1

C2-CARDWELL ER15 BF5 MODIFY TO 4 ROTORS. 3 STATS.

C6 DUAL 15MMFD VARIABLE C35470MMFD MICA.

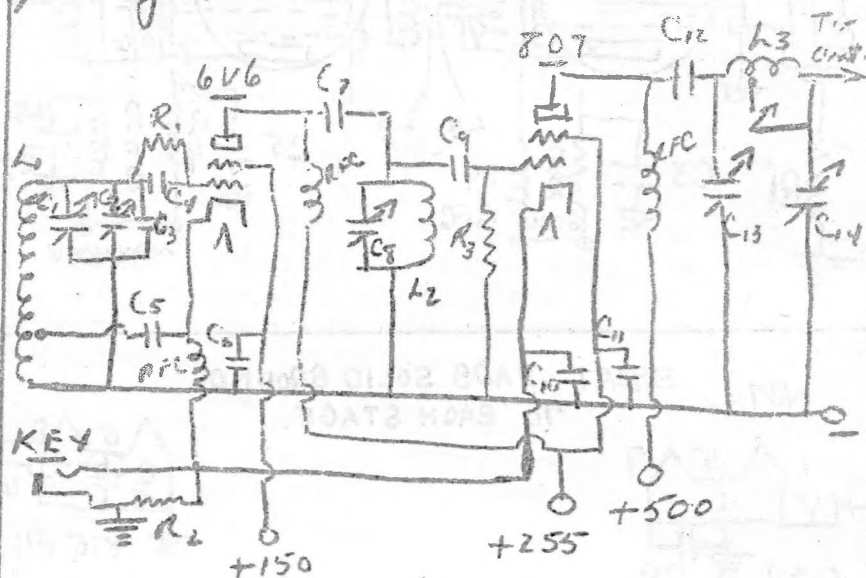
C7-100MMFD 2500V MICA. C8-C9-470 " MICA.

L9 R.F.C.-2.6 HENRYS. L10 1" WINDING #21 OSC ON Y4 ROD.

R4-15000V/10W X NEUTRALIZING. WIRE IF NECESSARY.

# THE "TECH" CORNER - VE3AGF

Here is a circuit taken from Radio News for a C.W. traffic transmitter which is really simplicity itself & plenty hot.



- $R_1 = 100K - \frac{1}{2}W$
- $R_2 = 10K - 10W$
- $R_3 = 20K - 1W$
- $C_1 = 350 \mu\text{fd var.}$
- $C_2 = 100 \mu\text{fd trimmer}$
- $C_3 = 1000 \mu\text{fd polyester (mica)}$
- $C_4 = 250 \mu\text{fd (mica)}$
- $C_5 = .01 \mu\text{fd } 500V. (mica)$
- $C_6 = .01 \text{ " " " "}$
- $C_7 = .01 \text{ " " " "}$

- $C_8 = 150 \mu\text{fd var.}$
- $C_9 = 180 \mu\text{fd (mica)}$
- $C_{10} = .01 \mu\text{fd (mica) } 500V$
- $C_{11} = .01 \text{ " " " "}$
- $C_{12} = .01 \mu\text{fd (mica) } 1000V$
- $C_{13} = 250 \mu\text{fd var}$
- $C_{14} = \text{ " " " "}$
- $RFC = 2.5 \text{ ohm } 100 \text{ ma}$
- $L_1 = 20T \#12 - 2" \text{ i.d. } - 2" \text{ long - tap } 7T. \text{ ground and.}$
- $L_2 = 28T \#20 - 17\frac{1}{8}" \text{ d. } - 1\frac{1}{8}" \text{ l.}$
- $L_3 = 30T \#14 - 2" \text{ d. } - 5" \text{ l.}$
- $\text{Tap } 15T. \text{ from ant. and.}$

The tap with RF switch on  $L_3$  allows 800 or 40 meter op.  $L_1$  reson at  $1750 \rightarrow 2000 \text{ Kcs.}$